

Title (en)  
Drum type washing machine

Title (de)  
Trommelwaschmaschine

Title (fr)  
Machine à laver à tambour

Publication  
**EP 2305874 A2 20110406 (EN)**

Application  
**EP 10012610 A 20031212**

Priority  
• EP 03028461 A 20031212  
• KR 20020085519 A 20021227  
• KR 20020085520 A 20021227

Abstract (en)  
A washing machine comprising: a tub (11) to hold water therein; a drum (12) rotatably placed in the tub, the drum having an inlet (13) at a circumferential surface thereof for loading and unloading laundry; a shaft (19) connected to the drum; a supporting frame to rotatably support the shaft; a motor to rotate the shaft; and a suspensions unit to reduce vibration of the drum, characterized in that a drum door (18) rotatably connected to the shaft to open or close the inlet of the drum; and a locking device to open or close the drum door automatically.

IPC 8 full level  
**D06F 23/02** (2006.01); **D06F 37/22** (2006.01); **D06F 37/04** (2006.01); **D06F 37/10** (2006.01); **D06F 37/20** (2006.01); **D06F 37/26** (2006.01); **D06F 37/30** (2006.01); **D06F 37/42** (2006.01)

CPC (source: EP US)  
**D06F 37/04** (2013.01 - EP US); **D06F 37/206** (2013.01 - EP US); **D06F 37/26** (2013.01 - EP US); **D06F 37/263** (2013.01 - EP US); **D06F 37/268** (2013.01 - EP US); **D06F 37/269** (2013.01 - EP US); **D06F 37/302** (2013.01 - EP US); **D06F 37/304** (2013.01 - EP US); **D06F 34/08** (2020.02 - EP US); **D06F 37/10** (2013.01 - EP US); **D06F 37/22** (2013.01 - EP US); **D06F 37/42** (2013.01 - EP US); **D06F 2103/24** (2020.02 - EP US); **D06F 2105/48** (2020.02 - EP US); **D06F 2105/62** (2020.02 - EP US)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1433891 A2 20040630**; **EP 1433891 A3 20040818**; **EP 1433891 B1 20120502**; CN 100529234 C 20090819; CN 1511997 A 20040714; EP 2298979 A2 20110323; EP 2298979 A3 20130123; EP 2298979 B1 20140409; EP 2302123 A2 20110330; EP 2302123 A3 20130116; EP 2302124 A2 20110330; EP 2302124 A3 20130109; EP 2305874 A2 20110406; EP 2305874 A3 20130109; EP 2305874 B1 20170823; EP 2314749 A2 20110427; EP 2314749 A3 20130109; EP 2325368 A2 20110525; EP 2325368 A3 20130116; EP 2325368 B1 20161207; JP 2004209254 A 20040729; US 2004129035 A1 20040708; US 2010018261 A1 20100128; US 2012006076 A1 20120112; US 2012011891 A1 20120119; US 2012011892 A1 20120119; US 2012011897 A1 20120119; US 2012011898 A1 20120119; US 7591155 B2 20090922; US 8087267 B2 20120103; US 8671719 B2 20140318

DOCDB simple family (application)  
**EP 03028461 A 20031212**; CN 200310123534 A 20031226; EP 10012475 A 20031212; EP 10012607 A 20031212; EP 10012608 A 20031212; EP 10012609 A 20031212; EP 10012610 A 20031212; EP 10012611 A 20031212; JP 2004000440 A 20040105; US 201113241337 A 20110923; US 201113241348 A 20110923; US 201113241366 A 20110923; US 201113241396 A 20110923; US 201113241411 A 20110923; US 56380109 A 20090921; US 74057503 A 20031222